

I-5, Mounts Rd to Steilacoom-DuPont Rd – Corridor Improvements

Project Overview

To relieve chronic traffic congestion and improve mobility along I-5 in the vicinity of Joint Base Lewis-McChord, WSDOT is proposing this Design-Build project to rebuild the interchange of Steilacoom-DuPont Road (Exit 119) and widen I-5 to add HOV lanes. This will support congestion relief on I-5 during peak traffic periods while maintaining access to neighboring communities and JBLM. The proposed build alternative also includes grade separation of the roadway over the railroad. The project is funded with state funds.

Project Goals

1. Excellent Project Management and Collaboration:

Through effective project management, deliver a successful design-build Project by partnering with WSDOT and other key stakeholders, such as JBLM, Sound Transit, and City of DuPont, to communicate effectively, identify and resolve issues early and efficiently at the Project level and manage risks. Continuous coordination with the adjacent military installation (JBLM) is essential to ensure that base security is never compromised during design and construction activities, and that completed work meets JBLM design criteria and expectations. This goal will be evaluated based on successful experience performing the following activities:

- Management strategies used to anticipate and manage risk, proactively resolve Project issues at the lowest level, to escalate and resolve conflicts effectively, and to resolve disputes using alternative resolution methods.
- Coordination with military stakeholders such as the Army Corps of Engineers and base facilities construction administrators, and/or coordination with public or private owners of large facilities with security clearance requirements.

2. Minimize Impacts:

Minimize impacts to the traveling public, the environment, local businesses and residents through effective design and construction methods and community outreach. This goal will be evaluated based on successful experience performing the following activities:

- Excellent environmental compliance.
- Effective design strategies that provide permanent traffic operational benefits.

- Public outreach to effectively notify surrounding communities and roadway users of upcoming Project impacts, including temporary traffic impacts.
- Timely project completion ahead of project milestones. Development and implementation of strategies that reduce durations or eliminate road and/or lane closures on freeways, ramps, and local roads, by optimizing construction staging and effectively managing work zones

3. Quality Management and Close-Out:

Implement a successful quality management program to ensure Work meets or exceeds WSDOT expectations and Contract requirements. Provide and maintain document control systems to support efficient close-out procedures. This goal will be evaluated based on successful experience performing the following activities on large public works projects, preferably on design-build projects:

- Execute an effective Quality Management Plan with a focus on managing the submittal schedule to ensure timely and accurate notice of pending submittals, proactive identification and timely resolution of non-conformance issues, and incorporating lessons learned from non-conformance issues for ensuing work.
- Establish document control processes and a Close-Out Task Force soon after Notice to Proceed to ensure thorough documentation and efficiency in assembling final records to achieve timely Project close-out.

Schedule

Request for Qualifications (RFQ):	April 2022
Statement of Qualifications (SOQ) Due:	June 2022
Request for Proposal (RFP) Issued:	August 2022
Request for Proposal (RFP) Due:	January 2023
Announce Apparent Best Value:	March 2023
Estimated Notice to Proceed:	April 2023
Open to Traffic:	July 2026

Estimated Contract Cost

\$165M - \$195M (WSDOT Work Class 6)

MSVWBE Goals

- Minority: 10 percent
- Small: 5 percent
- Veteran: 5 percent
- Women: 6 percent

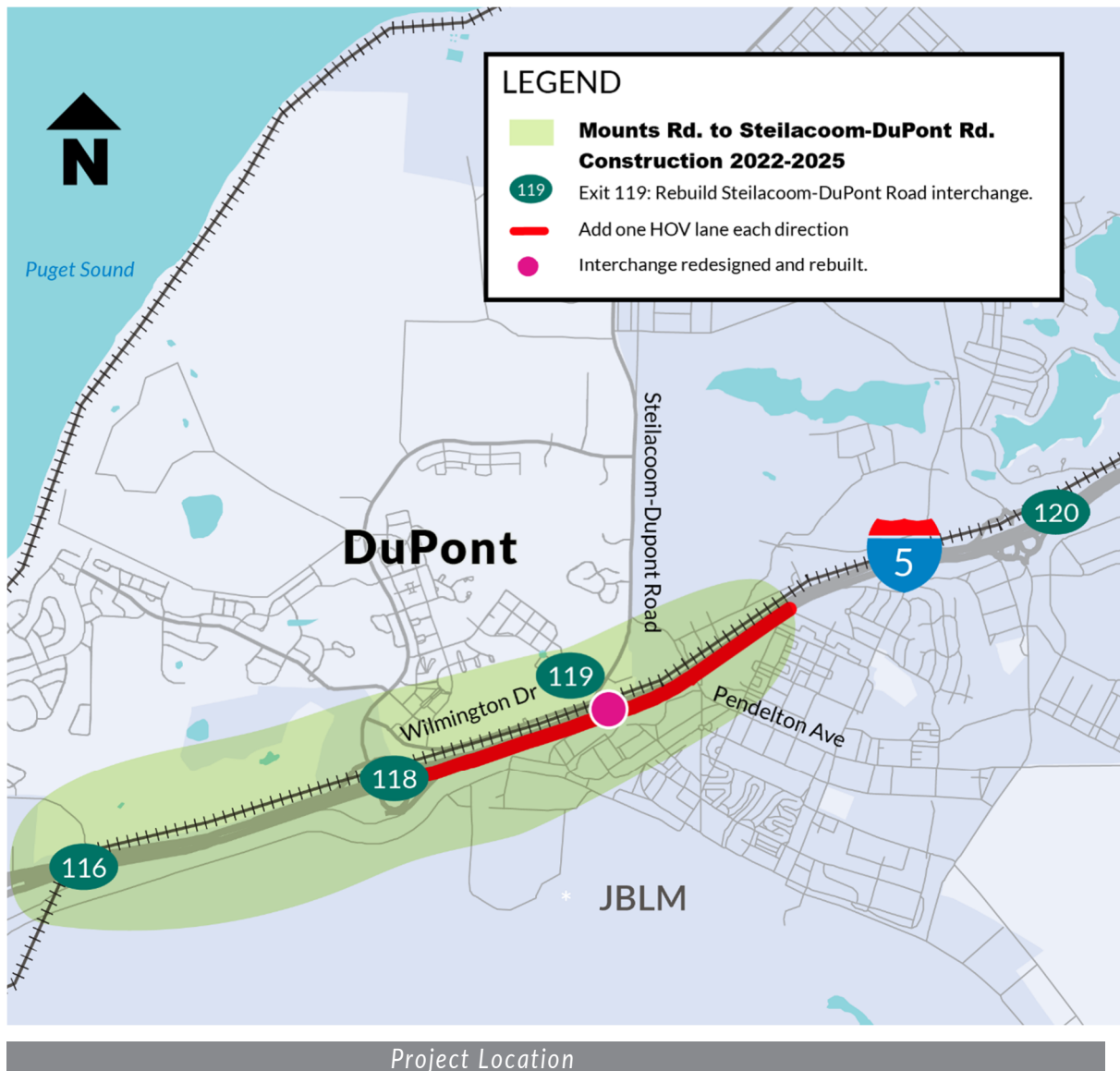
Key Personnel

- Project Manager
- Construction Manager
- Design Manager
- Inclusion Manager

Project Scope

The Project provides for the improvement of I-5, from MP 116.55 to 120.94 in Pierce County. I-5 will be widened to accommodate four through lanes in each direction. Auxiliary lanes will be added to both directions of I-5 between the Center Drive and Steilacoom-DuPont Road interchanges. The left lane in both directions of I-5 will be striped as a HOV lane. The Steilacoom-DuPont Road interchange will be reconstructed to provide grade

separation over the Sound Transit railroad and maintain access to the JBLM DuPont Gate. A shared use path within the new interchange will provide non-motorized connectivity between the JBLM DuPont Gate and the City of DuPont. A roundabout will connect Steilacoom-DuPont Road and Wilmington Drive with the reconstructed interchange. Improvements within the JBLM secure perimeter include lowering Pendleton Avenue under I-5 and the Sound Transit railroad bridge, landscape restoration within the Memorial Arboretum, constructing a new historical marker and vehicle pullout along Pendleton Avenue, and two noise walls. Other major work includes utility relocation, earthwork grading, bridge construction and demolition, retaining walls, storm water management facilities, concrete barrier, guardrail, HMA paving, illumination, traffic signals, ITS, signing, and overhead sign structures.



Significant Areas of Work

ITEMS (APPROX. % OF CONSTRUCTION COST) *	UNITS	APPROXIMATE QUANTITY **
PREPARATION & EARTHWORK (7-10%)		
Excavation (combined roadway, structure, and pond)	CY	174,300
Borrow	TON	401,800
Removing Existing Bridges	EA	2
PAVEMENTS (8-11%)		
CSBC	TON	88,700
HMA	TON	127,800
SPECIALTY ITEMS (2-5%)		
Landscape / Restoration	ACRE	23
Architectural Aesthetics	SF	128,000
TRAFFIC ITEMS (4-6%)		
Barrier / Guardrail	LF	22,900
Sign Bridges/Cantilever Sign Structures	EA	18
STRUCTURES (30-35%)		
New Bridges (4)	SF	67,800
Retaining Walls (fill)	SF	147,200
Noise Walls/Security Walls	SF	41,800
* Percentages are approximate and do not include all items of Work.		
** Quantities are based on WSDOT preliminary design and conceptual staging.		

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<https://wsdot.wa.gov/business-wsdot/contracting-opportunities/i-5-mounts-rd-steilacoom-dupont-rd-corridor-improvements>

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